

THIS MONTH WE SALUTE

JOSEF DARMENTO W4SXX,

SEE STORY BELOW.

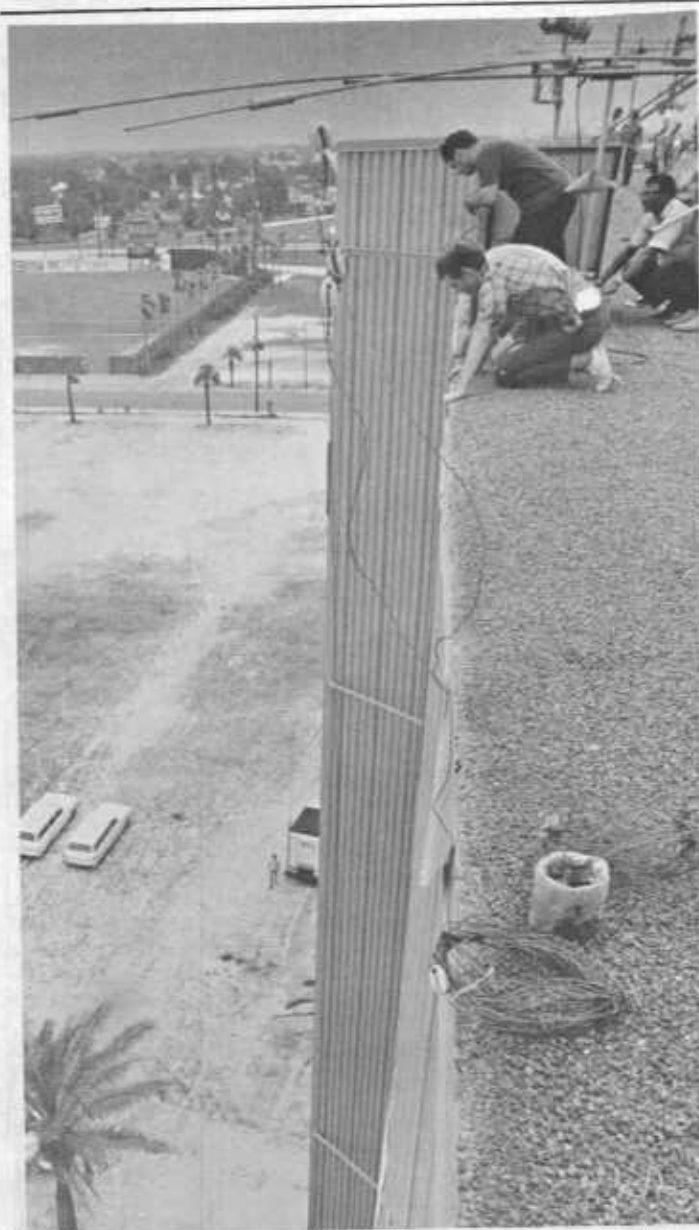


# FLORIDA SKIP

VOLUME 14 NO. 4 THE ALL-FLORIDA RADIO AMATEUR'S PUBLICATION

SEPTEMBER / 1970

Price 20c



IT'S A LONG WAYS DOWN from the Gator Bowl's press box roof. Here the Nofars (Jax) Antenna team precariously race against time and an impending summer storm. W4LZ/1 - Fla Field Day defending champs - made 2,333 QSO's with three transmitters for a point-score of 20,086.

—K4DSN

## Ham helps boy get critical operation

Josef Darmento, W4SXX, has won the recognition of his community and the plaudits of the ham radio fraternity for his assistance in helping a small Italian child receive a crucial heart operation. His able use of ham radio paved the way for 4 year-old Fabio Piampiani to undergo a heart operation last month by Houston's famed Dr. Michael DeBakey.

On June 9 Joe intercepted an urgent plea on twenty meters from IIBAX, Roger, a doctor in the Adriatic Sea fishing village of Civitanove. Roger outlined to Joe that the child had a hypertrophied right ventricle and would die if he didn't get an operation within three months. Responding W4SXX, then contacted his wife visiting in Austin, Tex., who in turn talked with Dr. DeBakey in Houston. The famous pioneer of heart transplant surgery gave his tentative approval for an operation at no charge, if the child could be brought to Houston.

Darmiento, a Merritt Island resident and a physicist with the Air Force Eastern Test Range, relayed this information back to Italy and arrangements were made for the boy's trip to the United States. Concerned Italians donated between \$4,000 and \$6,000 so the boy could receive another chance at life. Finally during early July little Fabio Piampiani made the trip from Rome to New York and on to Houston. W4SXX enlisted the aid of three New York hams K2JSO, W2IOM, and WB2CBP to assist the boy's mother in finding the right plans from JFK Airport to Houston.

Sorrowfully the child died on the operating table July 12. But at least the boy had a chance at life he wouldn't have had if it

weren't for ham radio.

In an editorial entitled HUMANITARIAN HAM, the newspaper Cocoa Today said, "We think this is a fine example of man's humanity to man."

For his pivotal role in this outstanding example of the good in our hobby, FLORIDA SKIP this month salutes Josef Darmento, W4SXX, as "Ham of the Month". WA4ABY

### LADIES OF 1970

We thought you might like to know the names of our Miss Hurricanes for 1970. (Hurricane season, June 1 through November 30, 1970). Hold onto your beams.

ALMA, BECKY, CELIA, DOROTHY, ELLA, FELICE, GRETA, HALLIE, ISABEL, JUDITH, KENDRA, LOIS, MARSHA, NOREEN, ORPHA, PATTY, RENO, SHERRY, THORA, VICKY and WILMA.

Wind classifications: Tropical storm from wind speeds of 39 to 73 mph. Hurricane winds speeds from 74 mph or more.

### SILENT KEYS

W4VPQ, Louis Bergenroth, Ft. Pierce.

K4GYG, Marcus P. Frutchey, Winter Pk.

W4OUG, Arthur W. Maunder, Melrose.

K4BAK, Louis Siculo, Palm Bay.

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EDITOR — Andy Clark W4IYT

P.O. Box 501 — Miami Springs, Fla. 33166

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BUSINESS MGR. — Betty Clark, W4GGQ

ADVERTISING MGR. — Frank Orcutt, W4JO

Special Asst's — Vance Murr, W4FW1

Sandy Donahue — W4ABY

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W. Fla., W4RKH, Ft. Walton Bch.  
FLORIDORA, W4BAV, Sarasota  
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DCARPSC, W4KQR, Miami  
TARC, K4GT, Tampa  
Hollywood, W4RLS

**DON'T FORGET  
10TH IS DEADLINE  
FOR ALL COPY**

## PET PEEVE

You ask for Pet Peeves. I've got one. That damn Silent Key list keeps getting longer every month. You're hemming me in. How about doing something about it? Perhaps you can send us some of Ponce de Leon's crummy well water from St. Augustine for the Eternal Youth.  
Pete, W4SM,  
Greenville, S.C.

## EX CALLS

More Ex-Calls. Have you sent in yours? —Editor.  
W4ZIR — ex W8GPA  
K4JXL — ex K6KVH  
W4CAZ — ex W2DID  
K9ZKU W8CHZ  
W4DLD — ex W1RSC, 3NM

## FLORIDA SKIP CORRESPONDENTS

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O.C.W.A. Gator Chapter, W4FIU  
O.C.W.A. SE Chapter, W4JO  
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VHF SSB'ers R.D. Ralston, K4LFF

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QFN, K4EHY, St. Pete  
TPTN, W4SMK, Ft. Myers  
GN, W4JA, Orlando  
7265 Net, W4JRV, Ft. Laud.  
FSBA — K4SRI



# Letters To Editor

Editor:

Thanks for the June issue. On page 11, I see a Paragon RA-10 receiver and a DA-2 detector and two stage amplifier which was designed by Paul Godley and manufactured by the Upper Montclair, New Jersey. I had the same combination myself in the early 20's when I lived in North New Jersey. I used to hear the 6th District come thru on 200 meters.

What really gets me down, is the lack of 2 meter AM operation in Florida. I started on that band in 1947 and up north a contact is possible at most times, day or night. Down here everything seems to be 2 meter FM with relay stations — and not much of that. According to the book, FM is like a one hundred watt transmitter modulated 25 percent AM that is.  
73 Albert C. Dick, W4CKE  
21 Florida St.  
Zephyrhills, FL 33599

Editor:

I have enjoyed reading SKIP for years. I brings one up to current events and things to come also I do have insurance on all my equipment which I think is necessary. I lost my tower, Ham rotor and 2 element quad during Betsy a year ago. So, I know how it feels to loose any outside equipment. The insurance Company paid 80 percent, but I had to change to another insurance company. I now have an E-Z Way crank up, tilt over tower, which I like very much.

Am now going sideband and selling my AM year. (See Hambar section).  
73  
Jim Gillespie K4TYN  
St. Petersburg, Fla.

Editor:

Just received in today's mail my certificate as the California winner in the 1970 Florida QSO Party, and I'd like to express my thanks and appreciation for it. It's quite attractive and someone did a nice job of filling it out.

Thanks also for the sample copy of FLORIDA SKIP, which arrived recently. I guess I'll pass up becoming a member, but I will say that I wish we had a publication that good in California. If there is one, I'm not aware of it.

Thanks again and 73,  
A. E. Olson W6QFU  
Santa Ana Calif. 91705.

Editor:

Just read August SKIP and noted Sheriff Starr award to W4RGO. Am enclosing a copy of an award I received for assisting Sheriffs Boys Ranch and thought you might make mention of it. If any amateur wishes to donate any equipment, in the Miami area, to Sheriffs Boys Ranch, they can call me and I will see it's delivered to the Ranch.

73,  
Mike Wahl, W4NRF  
2922 Sheridan Ave.  
Miami Beach, Fla. 33140

**SUBSCRIBE TO SKIP  
FOR A FRIEND.  
HE WILL LIKE YOU THAT  
MUCH MORE.**

## FLORIDA PUBLIC SERVICE CORPS

Ken W4SMK

The results of the 1970 Simulated Emergency Test are in August QST, and once again E. Fla. is number two, ranking behind Ohio. Our thanks to all of you EC's and amateurs who helped make this possible, and shame on those of you who did not participate. It might be argued that a test emergency does not prove much, since many people who will not take part in a test will participate when the real thing comes along. For instance W. Fla. ranked 42nd in the SET (out of 58 sections) but when the real emergencies come along the W. Fla. boys always seem to give a good account of themselves.

However, the question is just how good a job might we expect from people who never practice compared to those who do practice, or who at least participate in regular traffic nets in order to know what it is all about. When a hurricane pops up next time please notice the strange calls you hear on the nets who are all eager and willing to help. Some of these calls are experienced operators using club calls or stations licensed to CD, etc., but many of them are refugees from somewhere who merely succeed in muddying the water and driving the net controls crazy. They mean well surely, but then so did the people up in Salem who burned the witches years ago. Meaning well is not enough unless you know a little bit about what you are doing.

The best advice we can give folks like this, who dust the cobwebs off their gear just for hurricanes, is please do some listening before you jump in with both feet. At least follow the advice of the net controls, your local EC, CD director, or whoever is in charge of the operations in progress. If you want to debate some phase of the operation make a note and do it after the emergency, not over the air while business is hot and heavy. Better still how about joining in with your local AREC group, or CD communications before the next big emergency?



THE NEWLY FORMED Hollywood ARC is going great guns. Here Lake Forrest Fun Fair to take traffic and display amateur radio. L to R: WB4CKX, Joy; WA4RLS, Minnie and WB4CBO Dick. (Photo by WB4CKY)



"A FATHER & SON F.D. Combo: W4BRB on the mike while son russ, WN4QLG, keeps tally. Russ, a candidate for the Florida legislature from P.B. County, promises to work against any future repetitions of HB-1121 if elected."

## AMATEURS AT SWIM MEET

The Miami Springs Amateur Radio Club assisted with a community effort to provide communications to South and Central America. Using K4OSQ five members of the Springs group set up a station at the Miami Springs International Swim Meet; a three-day event held at the Springs Recreation Center. The goal of the K4OSQ group was to provide results and phone patches to those international swimming teams participating in the competition. Using a Swan 500CX and a Mosely TA-32 beam, the good word about the International Swim Meet was spread to Puerto Rico, Jamaica, Trinidad, Mexico, Guatemala, and El Salvador. The station set up pool-side at the meet, attracted a great

many curious spectators some viewing our hobby for the first time.

During the meet held August 6 through 8, the Miami Springs ARC handled about thirty formal QTC and uncounted phone patches.

## NEW AUCTIONFEST DEBUTS

Come early and bring a friend is the motto of the first annual Miami Auctionfest, sponsored by the Dade County Amateur Radio Public Service Corps. The fledgling event neatly fills in the gap for those hams with a room full of gear gathering dust until the next So. Florida Hamfest in January. The date to remember is Sept. 19. The place to be at 8:30 a.m., that fine Saturday is Monsignor Pace High School, 15600 N.W. 32nd Ave., just north of Opa-Locka.

This auctionfest is patterned after the other auctionfest in March, with one notable exception. To meet expenses the DCARPSC will charge a 5 per cent commission on all goods sold, whether by bid or direct sale. This fee is half of what that OTHER auctionfest charges. Admission will be \$1.00.

HOW ABOUT A NICE  
BLACK & WHITE PHOTO  
OF YOU & YOUR  
STATION? —Editor.

## 160 METERS

At the May 1970 ARRL Board Meeting, a motion was adopted that the ARRL Communications Department initiate a 160 meter band contest oriented to promote activity in this band of frequencies.

Top band enthusiasts are urged to forward their ideas on dates as well as format for such a contest to the ARRL Contest Advisory Committee, as an aid to formulation of rules for this event. CAC addresses appear on page 62 of February QST

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## PLAYGROUND A.R.C.

By Bill Schuch  
W6CMN WB4NHH

Summer has played havoc with club activities but we are still in there pitching. We still welcome visitors from out of town. Club info can be had at B & C Electronics on Race Track Road, Ft. Walton Beach. High light of recent club activities was a presentation of an award to K6UBR, Jerry Greene, you have to see it to believe it.

Fall activities are being planned. Dinner meeting, possible contests for members and possibly a speaker from A.R.R.L. The later is still in planning stage. Publicity will be plenty in advance so all can be there.

The emergency bus is now running, painted and ready for the interior furnishings, such as rigs etc. As usual a LOT of help is needed, but, it will be done.

Come and see us, you people.

## VERO BEACH AMATEUR RADIO CLUB

Grover W. Gnewuch, W4DFZ  
Not much news this month from

## GULFSTREAM SOCIETY OF AMATEUR RADIO OPERATORS, Inc.

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(See page 13 for more details)

## DADE RADIO CLUB, INC.

W4NVU

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- MEETINGS -  
3rd Tuesday  
Each Month

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and Natural History  
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## FLORIDA SIDEBAND ASSOCIATION

Meets Sundays 2200 GMT - 3940kHz

FSBEN - Thurs.  
3940kHz  
0030 GMT  
FAST Net  
Daily  
3940 kHz  
2300 GMT

A FRATERNAL ORGANIZATION  
All Sidebanders Always Welcome

VBARC as the meetings still are  
suspended until September.

"LJ" WA4SCK has been under the  
weather and at this time we have not heard  
the results of the many X-rays his doctor  
ordered, but we know they will all show  
nothing serious. W4DFZ also had our turn  
at being under the weather and was or-  
dered to bed for three days. After the three  
day rest we went back to the doctor and  
although he is sure we had a slight stroke,  
did permit me to resume normal activities.

Tad, K4AGU, had a friend from Deltona  
stop by, none other than Jack, W4YPA,  
and Tad brought him over, but, and so  
sorry, we were traveling around Florida,  
catching up on some visiting.

As the Treasure Coast chapter of the  
QCWA does not have a correspondent yet,  
would like to let all members know that  
our first meeting will be at the joint  
meeting of all chapters to be held at the  
Melbourne Hamfest, Sept. 12, 1970. Details  
and more information of this event will be  
sent to all members. At this time, you may  
also be interested to know we now have  
seven new members signed up. Most of  
these will become members of the Vero  
Beach Amateur Radio Club in the very  
near future.

## WEST PALM BEACH AMATEUR RADIO CLUB, INC.

By Clara Stables, WB4NXH

On Wednesday, September 9, at 7:30  
P.M. at 823 Newark Street, West Palm  
Beach, classes leading to a Novice License  
will start and will continue weekly  
thereafter. All interested persons in the  
Greater Palm Beach Area are invited to  
attend these classes in code practice and  
theory.

At the same time, classes for those who

hold Novice and Technician licenses who  
wish to upgrade their licenses to General  
and Advanced will begin.

Let's start the sizzling 70's off with a  
bang with a record enrollment!

In the ARRL Field Day, June 27-28, the  
score was as follows: a total of 1,196  
contacts; the score before bonus - 8,292  
and 200 points for emergency power; and  
200 points for message origination; add  
200 points for publicity - total score -  
8,892.

## WESTERN FLORIDA NEWS

By Frank M. Butler, Jr., W4RKH

Pensacola: WA5GTJ4 is building a  
mobile rig. WB4DVM and K4VFP are QRL  
with school. Tate High School has formed a  
radio club, and needs parts and equip-  
ment. Write: Jay Reynolds, P.O. Box 68,  
Gonzales 32560. W2FEX4 is a new ham in  
town. The W4UC repeater is temporarily  
off the air for relocation of the receiver  
site. Milton: K4DDV is active on 75m SSB.

Fort Walton: Is WN4REM, at age 10, the  
youngest local ham? WN4QYJ, WN4RBD  
and WN4RKT are more graduates of the  
Novice Class. WB4NHH made the Phone  
CD Party; he is building a QRP transistor  
rig. W4UHI and XYL WB4OGQ have  
moved to Chicago. The CD van has finally  
been painted, and is being readied for  
equipment. The Playground ARC had a  
fine program on building codes, insurance  
and taxes as related to amateur radio.

Chipley: W4IKB, WA4ZFK, WN4PVG  
and WN4PVH took a camping trip all the  
way to Fairbanks, Alaska.

Panama City: The PCARC has a new  
clubhouse in Millview. Meetings are now  
held on Wednesday nights. WA4VIY  
renewed OVS appointment. Tallahassee:  
The TARC had a good crowd at their in-  
stallation banquet, including WA4GFW  
from Newport.

Apalachicola: K4BDY is recovering  
from a back operation. WB4GOO is mobile  
on 2m FM. W4WSY has moved to Monticello.

## DADE COUNTY ARPS

By John Aikens WB4KQR

Make your plans now to attend the first  
annual Miami Auctionfest on September  
19, at Monsignor Pace High School. See the  
ad elsewhere in Skip for further in-  
formation.

The Corp has really been busy lately.  
The Executive Board has rewritten the  
constitution, to update our Corp. If you  
wish to have a copy of the new constitution,  
please send an S.A.S.E. to 17110 N.W. 14  
Ave., Miami.

The DCARPS will soon be sponsoring  
an Explorer post, for boys and girls, ages  
15 to 17, interested in radio com-  
munications. The course will concentrate  
on amateur radio, and will include field  
trips. All interested in joining the program  
should write to our President Devern  
Dean, WB4LBR, at 190 N.W. 163 St.,  
Miami.

The Novice course, held at J.F.K. Jr.  
High, proved to be very successful. We had  
four of the students pass the code test.  
They anxiously await their written tests.  
Congratulations to our new members.  
Ralph WN4QLM, and Larry WN4QLH  
recently joined the Corp.

You are also cordially invited to join our  
group. Our Corp meets each second, and  
fourth Thursday of each month, at Mon-

signor Pace, at 15600 N.W. 32 Avenue,  
Miami.

## KNIGHTS OF KILOCYCLE W4NGR - Master Oscillator

Well it looks like our little article "CQ  
Knights of Kilocycle" brought out some  
"Knights" that had been staying away for  
some reason or another. We welcome Bill,  
W4BCZ and Sam, W4LIS for showing up.  
Nice to have W4BIL, Fran and her OM  
W4WME, Bill call in, also. Good to hear  
Cliff, W4HZ from Jacksonville. Lou,  
W4VPQ will be missed by the Knights. His  
sudden death was a shock to many of us.  
The flower fund has taken a nice upswing  
and we thank all Knights for their  
generous donations. Guess we'll have to go  
back to giving license renewal dates along  
with the birthdays and anniversaries.  
Seems like one of our old timers let their  
license expire and now along with a cost  
increase they will have to take an  
examination from "Uncle" Frank Charlie  
Charlie. Right now when does your license  
expire??? See you Sunday morning on 3910  
Kc at 7:30 EDT. 73.

## SUNCOAST ROVING REPORTER

By Cathy Soehl  
W4BAV AREA ARNS

WB4LPU W2GYG Win and XYL Flo  
Morris are having a very busy summer,  
with visitors etc., at their retreat at  
Forked River, N.J.

WB4ISZ Jim Hall has a new Heathkit  
HW-22A, with SB Speaker Console, with  
power supply in the Console.

K4GZ Charlie and XYL Minna May  
Louis spent a month on Long Island, N.Y.,  
visiting daughter and family and are  
presently in California with their son &  
Minna May's brother.

WA4QMF Werner and XYL Charlie  
Levan celebrated their 29th wedding  
anniversary and were given a surprise get-  
together by several members of the  
Psycho Net.

W4BAV Cathy Soehl has the pleasant  
surprise to receive the Amateur Radio  
News Service, 3rd Annual Amateur Radio  
Publications Contest Award, for 2nd place  
Club Activity Reporting.

PCARS will hold 5th Annual Hamfest,  
Sept. 12th, 9 A.M. to 5 P.M., Melbourne  
Civic Auditorium. Plan to go.

## FLORIDORAS

By Cathy Soehl  
W4BAV AREA ARNS

ATTENTION! Florida Annual Contest  
to be held Oct. 10 from 0000 GMT to 2400  
GMT Oct. 11. Frequencies 3.933 7.260,  
14.265, 21.370, 28.570. Publicize this on all  
your contacts. Let's make this a banner  
year.

WA4SII Cuddy Case and OM, W4NGR  
Case are the proud grandparents of twins:  
Jason Robert & Rhonda Jaye. Cuddy took  
two weeks vacation to help organize  
things. Some vacation, HI!  
Congratulations.

K1LZT W4GXZ Blanche and OM, K1HTK  
W4COW Wes Randles, recently in Tampa  
to attend a wedding. They had a nice visit  
with W4WPD and OM, W4UFR Earl.  
Blanche is a charter member of the  
Floridoras and our first Sec'y-Treas.

W4BIL Fran and OM, W4WME Bill  
Foley recently spent a pleasant weekend  
with W4KOH and OM, W4BCZ Phil Mc-





Masters, at Lake Placid.

KP4CL Alicia, Honorary Member, has 318 Countries worked on 20 meters SSB. Her youngest Son will enter the University of Va. in Sept. to study engineering.

W4WPD Shirley Hill surprised OM, W4UFR Earl when a Heath-Kit Organ was delivered. Now they have a project for all their spare (?) time.

The PCARS (Platinum Coast Amateur Radio Society) will hold their 5th Annual Hamfest, Sept. 12th, 9 A.M. to 5 P.M., in the Melbourne Civic Auditorium. See you there!

## BOARS

### By WA4ABY

The above title is not editorial comment about most hams, but is an acronym for a new organization in the Sunshine State. It stands for the Betterment of Amateur Radio Society. This group of concerned amateurs meets weekly on forty meters to hash out and attempt to solve some of the many problems our public service hobby faces. We are primarily an internal organization, not concerned so much with public service for non-amateurs but for the upgrading of our hobby in the eyes of ourselves as well as the public we serve.

The BOARS constitution states "We the undersigned, conscious of our responsibilities to our fellow man, eager to coordinate our individual efforts to help those in need, and hopeful that together we will produce a positive and realistic approach to the problems of our times hereby organize . . . for the purposes of (1) sustaining our radio amateur privileges by participating as well organized group in any matter pertaining to the amateur radio service; and (2) promoting the growth of amateur radio by informing those unaware, instructing and or advising those interested, and assisting those licensed to find the pleasures and responsibilities of being a Ham."

BOARD meets every Sunday at 1800 GMT, 2:00 p.m. EDT on 7265 KGE. President is WB4EEL, Rick, in Tampa.

Among the first activities of the organization is the air code practice. Dates and time for this needed service are yet to be worked out but it is hoped that by helping novices become generals we will be helping to better amateur radio. Standard practice during our meetings is for one of our members to QSY to the service section of the band and standby for novice QNI. The novices frequently is 7115 and at a specific time weekly, WB4HNL will ask for Novice QNI. The listener is the Novice band will acknowledge QNI there

and reQSY back to forty fone and relay those who have joined us.

BOARS is always interested in new members, especially members with unique ideas on how we can serve our hobby. Dues are \$1.00 annually. 7265 kc is the place 1800z Sunday is the time. See you there.

## QCWA

### SOUTHEASTERN CHAPTER

The Miami QCWA dinner meeting went off on schedule with a record crowd in attendance. The Gold Star goes to Arch, W4FCM, he brought the whole family. Wife Wn4PDU, son David, Wn4QWA, daughter Cindy, Wn4QWF. Another Father and Son, Wn4JLG, and Wn4MKB were among the new visitors.

Old Timers, W4KO and K4OL (ex 2EE) met, and learned that they were neighbors back in the early days, in Boston, Mass. To top this your writer lived within two blocks of this neighborhood twenty years later.

Antique Meter Night brought a lot of smiles. Of top interest probably was the McIntosh Antenna Analyzer, vintage 1915-1915. An early model McIntosh Milliammeter, looking like a barometer was seen, Vintage 1900-1910. A watch case voltmeter (1930) and a Weston Ammeter 719127 was shown privately. Those disappointed in not seeing the 1873 hand-box on motors will have another opportunity at our next meeting, September 3rd.

We thank W4YPA, of the Citrus Chapter, for his fine job of organizing the State Wide QCWA NET on 7254 every Sunday at NOON to one AM (or later). So far — W4IHW, W4GJ, W4RZG, and W4JO are representing the Miami Chapter. Let's get more in there from Miami to join this fine state wide group.

Don't forget, Sept 3 is "WD-11 NIGHT" at Smitties Coffee Shop, 3200 N.W. Second Avenue, Miami. No old times would ask what a WD-11 is, but in case you forgot, how about meeting the gang and refresh your memory.

73, WAJO, Sec. Treas.

## B.A.R.C.

By Jim Wilson W4GDK

Those who wanted to learn more about SSB were given a treat at the August B.A.R.C. meeting. The ARRL movie on SSB gave all of us a better understanding of this mode which does so much to narrow down our signals. We were glad to have so many visitors, all of whom were introduced.

Because of a conflict at our July meeting

place, we moved back to Broward Court House and the August meeting was also held there.

Bob Lloyd, Field Day Chairman reports that the set-up in Birch State Park near the Ocean with its 5 kw balky generator had a lot of activity during Field Day. Ten operators made a total of 796 contacts on 20, 15, 10 and 6 meters. The generator said "No" about 20 times, but after feeding it some spare parts it started to sing. Two band openings on 6 meters gave 220 contacts there alone, though improper logging wiped out many contacts. Bob thanks all for their help and looks forward to a bigger and better score next year.

Get ready gang! At the November meeting we will have "Home Brew Night." Here we will get to see the "Brain Children" of our members. Bring any piece of gear you designed or built, except from kits. Awards will be given in several categories. Last year we had some very clever pieces.

We urge you all to get ready for hurricanes. If possible get emergency power and a spare antenna which can be lashed up. Know how to contact Civil Defense. This will be discussed.

The September meeting on Sept 9 will be held at Broward Court House, 201 S.E. 6th St., Ft. Lauderdale at 7:30 P.M. Ask the guard for the room number. We're anxious to meet anyone interested in amateur radio. Come and share our interest. If you have questions, phone to our President Ruth Christian WA4HED, 523-1517, or our Secy. Hal Wormser WB4HSB 584-7068. Come and bring a friend.

## DELTONA NEWS

By Jack Six W4YPA

Deltona CD net met every Friday during Aug. 7:30PM on 28.605 KHz. A few members were missed due to vacationing. Looking for their return. K4LV Tom took off July 8th for an extended trip to Mass.

Smoke signals received that WB4QPH, Clarence Wandry, is building a house in Deltona. Understand he is retired from Zenith Corp.

The first Florida State wide QCWA net was started July 12th by yours truly with 19 check-ins and a good many have checked in each week ever since. This net meets every Sunday 12 noon on 7254 KHz. All QCWA members are welcome. Florida Skip now has it listed under "nets."

Had QSO with Case W4NGR and his XYL Cuddy WA4SII while camping at Broken Arrow Camp near Deltona.

Doc, W4MZK has a new High-Gain rotor handling his 40 meter beam! K4MY Ralph has a new SB220 on air now sounds

great. Yours truly and XYL enjoyed wedding anniversary trip to Key West and during my absence K4IH took over NCS of Deltona CD net and W4PI handled the QCWA Florida State wide net for me. Both did a commendable job. Many thanks fellows, for your help.

That's all from Deltona but as usual remember it's great to be alive. Enjoy everyday and spread words of cheer to all you meet and the waves of happiness will roll in.

## FORT PIERCE RADIO CLUB INC.

By Biff Craine WB4MIQ

The Fort Pierce Radio Club Inc. for the first time in some time entered Field Day. We had lots of fun. Gig, Wn4NOZ cooked steaks for all the operators. It was worth fighting the QRM to taste those juicy steaks. We were running a Swan Cygnet 260 with a vertical. Nothing fancy, but it did work. The manpower that we had behind the rig were the following: Wn4MEJ, Wn4NOZ, Wn4MUQ, WB4PWE, WB4MIQ, WB4NEY, KP4CBI WB4DDO, WB4MEK, WA4ESG, W4NTE, and W4VPQ.

The newly installed officers of the club for this year (July-June) are Wn4NOZ, President; Wn4MEJ, Vice-president; WB4MIQ, Secretary; Wn4LME, Treasurer; W4VPQ, Trustee. The new EC that was approved is Jake, W4NTE. Jake and several other members are working with the Civil Defense Director to coordinate an excellent emergency communication network for our city. Jake is really getting things moving.

Several of our members finally got the incentive (not the one created by incentive licensing but the one created by the license fee increase to \$9.00) and made an attempt at upgrading their licenses. Those trying were WB4PWE and WB4MIQ for Advanced, and Wn4MEJ going for General. All looks favorable.

It is with great sadness that I bring to mind the passing away of Past President, Trustee Louis Bergenroth, W4VPQ-A4VPQ. Lou, who had recently made QCWA, put more into the club than any other one individual. We will always be in need of his expert advice, technical knowledge, and his unselfish support and aid which he was always willing to extend.

We are still meeting at the Fort Pierce Power Plant each Monday with code 7-8 and from 8-9 PM the first and third Mondays.

(Continued on Page 8)

## September Specials at... THE NEW HAM SHACK at Tel-Appliance in Sarasota



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## SOLID STATUS

By Dick Blasco WA4DHU 2

### PART 4—More Biasing

Part 3 represented two basic biasing arrangements; and indicated some of the things to look for in transistor biasing. This article presents a very practical and widely-used biasing circuit - the stabilized bias circuit.

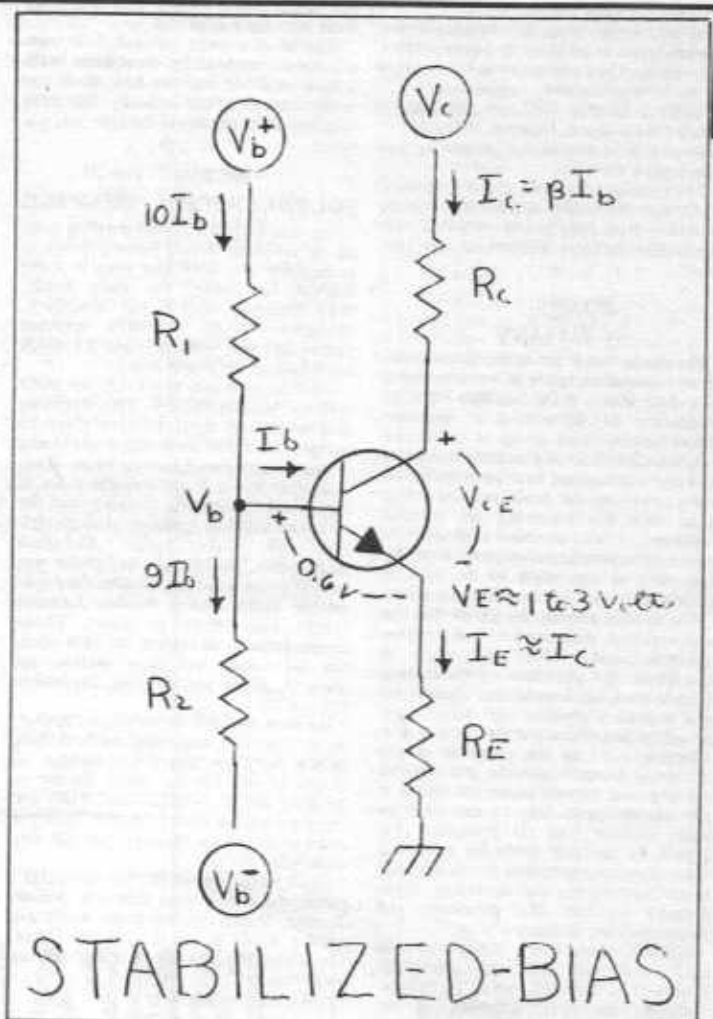
You might recall from Part 1 that transistor currents are extremely sensitive to changes in base-to-emitter voltage. For silicon, for example, a  $V_{be}$  of 0.4 volts will cause a transistor to be cut off, while a  $V_{be}$  of 0.7 volts will cause it to be saturated. Thus, a swing of only 0.3 volts can cause the device to change from cutoff to saturation. This important property is used in the stabilized bias circuit to give excellent control of transistor currents.

It is obvious that if the emitter were held at constant voltage and the base voltage increased very slightly, the transistor currents would increase sharply. It is also true, however, that the same thing can be accomplished by decreasing the emitter voltage while holding the base constant. This is what is done in this circuit. Assume that base voltage  $V_b$  is held absolutely constant. Any increase in transistor current would cause more current to flow through  $R_e$ , increasing emitter voltage  $V_e$ . But this has the effect of decreasing  $V_{be}$ , since we are holding  $V_b$  constant. Current will tend to fall off sharply, and we have the same "negative" feedback effect observed in the collector bias circuit. The big difference here is that  $V_{be}$  is being changed instead of base current, and much better control of transistor current is obtained by utilizing the extreme sensitivity of  $V_{be}$ .

Of course, getting  $V_b$  constant is a bit of a problem. If we hold  $V_b$  too constant, we won't be able to put any signal on the base without resorting to expensive chokes. On the other hand, if  $V_b$  isn't constant enough, base voltage will always change in such a way as to undo the effects of  $R_e$ . A compromise "rule of thumb" is shown in the Figure. Putting voltage divider between  $V_b(+)$  and  $V_b(-)$  provides a fairly stiff voltage source, but with ability to handle small signals on the base. By choosing  $R_1$  so that ten times base current flows through it, and  $R_2$  so that nine times base current flows through it, a good compromise is obtained. Choosing  $V_e$  to be 1 to 3 volts under normal currents determines the value of  $R_e$ .

$V_b(+)$  and  $V_b(-)$  are flexible. For example, tying  $V_b(+)$  to  $V_c$  and  $V_b(-)$  to ground will allow operation from a single power supply or battery. This is indeed the most common arrangement.

This circuit can be applied using Ohm's Law as before, and some examples and comments will be presented in Part 5.



### ORLANDO RAMBLINGS

Hal, W4BKC

Amateur Radio News Service awarded a Certificate to Florida Skip for First Place in Local News Reporting.

Andy and Frank, W4JO and the rest of the crew sent it and a very nice letter to Hal, W4BKC advising that they felt the

award should go to him, as he had been a Correspondent since the beginning of Florida Skip 13 years ago. My Sincere thanks to all you nice people.

Received several cards from Russ, K4VEJ and Elsie. One of the places they visited was ARRL headquarters.

The nomads, Claudine, WA4SII and Case, W4NGR knew that daughter Bar-

bara was about to become the mother of twins. Case had made arrangements to meet EV, K4UIZ on the FPTN for the latest news but over slept and was aroused by the Forest Ranger telling him Barbara had her twins.

Fortunately EV had left the rig on and when Case called she answered and secured the data. One of each a Boy and a Girl. Which keeps the population explosion even anyway. Congrats to Gramps and Grandma and the lucky parents of the twins, Jason and Rhonda.

### F.S.B.A.

Friends, Fellow Amateurs, and countrymen, lend me your ears. To paraphrase a rather ancient Hellicopter's advertisement: In the communications art lies the

greatest hope for eventual peace on earth and good will to all men.

Wonder what the effect of the new nine dollar fees will be on amateur radio as a whole. . . the dit dah boys practically checked the growth of the amateur group last year.

Vinon Bailey, WA4NNB, furnished your columnist with copies of minutes of meetings of the last month, and statistically at least our organization is growing. Meeting 538, August second, places the Florida Sidebenders well in the forefront for continuous existence among amateur groups in the United States, with more than ten years continuous service for Amateur Radio. It takes amateurs like WA4RGO, W4SKI, WA4RA, W4GLO, W4JQ, K4Ke, W4DGX and the rest of us both old and new, and a lot of devoted effort to make possible the services performed by the group.

In any organization the individual is more important than the organization because without the individual, you and you and you, the organization ceases to exist.

73,  
K4SRI

### NARHUC NEWS

Bill Sutton WA4GFT

Navy Amateur Radio Hurricane Corps. We are the new ham club in Key West. Our membership is small, but growing. We presently have about twelve (12) members and we are expecting many more.

Congratulations to the following members who were elected to office at our last meeting. WB4QKR, President; WB4KFD, Vice President; WB4NVE, Secretary-Treasurer. Our congratulations also to Lee Phillips, WB4LOM, our past

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President for a job well done.

We are planning an auction 12 September 1970 at 212 Stadium Trailer Park at 8:00 P.M. The items up for auction will be spare electronic parts.

Our NARHUC NET is on the air Saturday at 1400 EDT or 1800 GMT on 14.303 Mgs. All hams are invited to check in with WB4CUD, Mike Graham, NCS.

We enjoyed recently a visit by Andy Clark, W4IYT, SEC for Eastern Florida. We discussed Emergency Planning for the Key West area.

### COUNTRY COUSINS

By Stan Offenbutter, K4BLM

We are pleased with our four new members by their interest activities, that have been shown during this past month. A very special welcome to our new Cousins, W4BCZ, Phil—WA4DCK, Walt—W1VLU, Elaine—W4IAZ, Don—it's a pleasure to have you with us.

WB4EZF, Bob, is at home convalescing from his operation, it did not take Bob long to get back on the air again, he hopes to be at the salt mine in a month. Mildred Barnes, XYL of WA3YVH, Roy, is responding to the new wonder drug, keep up the fine progress Mildred.

W4BCZ, Phil, has his SBE-33 working A.O.K. now, it certainly sounds good also that pipole around the eaves of the house is working out.

WB4LSI, Don, assistant Chaplain, is back on the air from Milton, after a silence of about six weeks.

WB4CBP, Ted's Jr. Op. Brien is O.K. having been a passenger in a car accident.

W4BAV, Cathy and the O.M. W4GHR, Bill are still on vacation, also Edna and Walt, W4PWB, who check in from

Frankling, N.C. W4YPL, Ray and XYL, Glendel started on theirs — y'all have a good time.

A welcome to all to join us every night at 10 p.m. EDT, on 3970 KHz an f.b. certificate is given by the Net — please check in for all particulars.

### TAMPA AMATEUR RADIO CLUB NEWS

By Frank Shannon, K4GT

Ray Murphy, W4BNE, county EC, arranged for representation from TARC, Hillsboro Amateur Radio Society, Brandon Amateur Radio Society and other Greater Tampa Bay Area radio communication organizations, to attend an outdoor "Newspaper and Radio Publicity Affair" with Hillsboro County Sheriff Beard and his deputies, and handicapped employees of Good Will Industries. The objective of this gathering was to request

the assistance of all amateurs CB'ers and MARS members to report all suspicious persons seen tampering or looting the outdoor Good Will Industries stands and pick-up boxes. It appears that thieves are now looting and vandalizing these boxes. The Sheriff has requested all reports from amateur and CB'ers (also MARS) to be phoned direct to his office. Ralph Cosdy, W4BNI, represented USAF MARS, and your Scribe represented TARC. Keep your eyes open!

### PLAYGROUND A.R.C.

By Jerry Green K4UBR

The last of the Novice Class has been scheduled for testing and a very healthy crop of 9 new Novices will soon be grinning the bands from the boondocks of W. Fla. WB4KXX and WB4MHG were seen with heads together at the last social making plans for a new summer class to be starting in July. More Novices than you can rattle a key at!

Regular meetings have been moved to the third Thursday of every month and a social activity meeting every first Thursday of the month. The activity night on June 4th was the first planned event and everyone attending had to bring something from the junk box with the idea to bring as much as possible and take home as little as possible. There were some sneaky trips out to the autos during the meeting. Since the new Novice classes will be starting on June 28th, the next activities night will be in conjunction with that event so that the prospective Hams will have an opportunity to meet many of the areas most active club members.

All members are urged to bring a new ham or a guest to the next meeting. Be ready for R A D I O and its many useful, expensive and desirable prizes starting with the activities night, August 6th, Thursday Nite, at the club rooms in the Old Police Station at 7:30PM.

**A lot of people think hams just fool around with radios.**

Suddenly, your 'fooling around' is frequently the only way of transmitting messages of help and hope. Of course, you didn't become a ham just to help out in a disaster. You became a ham because you just wanted to be a ham. But you've made your hobby an invaluable public service. And FPL is grateful. We remember. A lot of people thought Edison was just fooling around with electricity, too.



# TAMPA HAMFEST

(RAIN OR SHINE)

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12:00 Noon — 1:30 P.M. / Your Own Picnic Lunch or from Catering Service  
1:30 P.M. — 4:00 P.M. / Door Awards / Recreation  
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## FLAMINGO NET

The Flamingo Net with headquarters in Miami (29.044) now boasts over 40 members locally, with 1200 international. YV4MF is our latest international member.

Our next hidden transmitter hunt will be Sunday afternoon, August 30. The round-up area will be announced on the net prior to this date. The proposed contest was postponed because a large absentee of our most active members. The starting date will be announced later. Prizes and Certificate awards will be presented to the winners of 100 contests with one hundred Flamingo members, throughout the USA and the world, on 10 meters.

We are advised that K4CIF has recently won the "RAF-5" award for her Florida county contacts on 10 meters. This certificate is sponsored by Florida Skip.

The Flamingo Net is probably the oldest net in the world now. We have been invaded by SSB from time to time and last Friday, New Control had his turn to reverse the tables with a Swan 350. W4GJ, however, promises to continue his broadcast quality Net Controlship on the Flamingo Frequency for the benefit of AM listeners, on 10 meters.

There is a growing demand for more mobile AM equipment suitable for hidden transmitter hunts on 29.944 MC. Likewise good AM home rigs are getting scarce that will operate efficiently on 10 meters. Get in touch with our Secretary, WA4GGJ, or the man that guards our money, W4RWT, or better yet, our Net Control, W4GJ. 73, W4JO Activity Mgr.

## GATOR NET

By Ev, W4IA

Congrats to K4JWM on qualifying for GN certificate. Others are in the running if they continue their excellent attendance records. Ten-or-more QNIs for three consecutive months does it.

Despite increased QNIs in July, our traffic dropped to the lowest point in many a day. Could this be related to WA4SCK's departure? Let's beat the bushes a bit harder. Originations will help.

K4SJK is planning to move to the Cape area. W4IA is moving to Mount Dora and W4EHW will carry on as GN honcho until he gets set up at new QTH.

GN welcomes all new reporters. Others are invited to drop in at 0830 EDT, 7115 KHz. If poor conditions exist on 40, we shift to 3651 KHz about 0835. Come one, come all!

## FLORIDA MIDDAY TRAFFIC NET

By Herb, W4LSR

As usual this time of the year, FMTN news is mostly a record of the goings and comings of our members on vacation. Charlie, W4AKB is somewhere in New Jersey and sends pictures of girls in Bikinis to Clyde, Joe, WA4FGH is away somewhere, catching up on his golf. Mac, W4LJK is in North Carolina. Mack, W4DVR and family took their travel trailer to Myrtle Beach for a couple of weeks. And Herb, W4LSR and XYL will soon be off to her old home in Penna for a few weeks.

So much for the goings. Burch, WB4AIW is back and very busy catching up. Henry, K4AOB and Ed, K4EBE W4TJM have returned. Kelley, WA4FJA is home again and has relieved Dick, K4LEC as New

Control. I prefer both of them. Jerry, WB4KGZ and Harry, W4ZIR have both returned.

Ruth, WA4HED has been checking in most every day since she got her antenna repaired. But now Bill, WA4RQH is having antenna trouble on the mobile and we only hear him on the home rig on Fridays. We are thankful for Steve, WA4RUE, who has been taking care of the Palm Beach area. We do miss K4GJ. Someone spilled coffee in his power supply during field day and blew the power transformer. It is in the repair shop being re-wound.

Poor Charlie, never gets to use K4HS while Randy is home on vacation. Biff, WB4MIQ is still doing a good job as NCS. Charlie K4OER is checking in again. We may expect to hear the old trooper Fred, W4JZB from Holley Hill. He bought a house and is moving up there soon.

Ricky, WB4HNL and Buddy, WB4OMG visited Clyde over last weekend. He sure enjoys company.

The Florida Midday Traffic Net held 27 sessions in July. 780 check-ins handled 316 pieces of traffic. Average stations 28.9 and average traffic 11.7.

## 7265 NET

By Rick WB4JRV

Summer is taking its toll; stations on vacation accounted for lower traffic and check-ins. Hope to see both categories up this month.

July has brought 3 new members: Keith, WB4HSN (NCS); Sandy, WA4ABY 4; and Joe, WB4JSK. Welcome aboard! Gary, WB4IHI is back on the active list after many busy Sundays. We're now capable of phone patches for Hollywood — Ft. Laud.

A few members will be college bound come fall. Hope to hear you from school stations.

## TROPICAL PHONE NET

Ken W4SMK

The following stations are either newcomers to the TPTN, or are old timers who are back on the roll call: WA4BWE, Tom in Indian River City, WB4FGW, Randy at Sarasota, WA1GZV, another Randy at Ormond Beach who will soon leave for the service. Welcome to all and we hope you tell your friends about the Tropical Net.

WB4FGW and WB4JSK have jumped right in and are helping us as net controls. Randy and Joe are both doing a good job, in spite of the Summer propagation. Now is a good time to try your hand at NCS if you so desire, since the traffic load is light, so let WB4HNL know if you want to be a big wheel.

We were all saddened by the death of net member K4BAK, Lou in Palm Bay. He passed away quite suddenly having been on the net a day or so before.

W4NGR surely gets around on his camping expeditions. He checks in from a different camp ground nearly every week, and says he had a fine time one week at the Fla. Sheriffs Boys Ranch.

Hurricane Celia caused a stir in the traffic business, with many stations having Red Cross traffic for Texas, but not many outlets available. Liaison with the NTS from our net was not particularly good, since many stations were advised to take their traffic to the 20 meter band or handle via MARS. There is nothing wrong with this as long as the traffic gets delivered ASAP, but it makes one wonder

a bit about the NTS capabilities in this type of situation.

## FLORIDA PHONE TRAFFIC NET

By Case, W4NGR

A month of glad tidings — A month with sorrow! We're happy in that our traffic handling stayed up. Gary, K4QYV hit the Jackpot one morning as NCS when he handled 33 pieces of traffic in a half hour time. For out net this is something. Glad to have Frank, WB4HHP and Buddy, WB4OMG join our net! On the sorrowing side we lost Lou, W4VPQ of Fort Pierce and Lou, K4BAK of Palm Bay. K4BAK had just started to call back in after an extended illness when his key went silent. The death of these two fine radio amateurs will be sorely felt by many of us. Our sincerest sympathy to their families. Wynn, WA4COR is leaving our midst for school up in the mid-states. Very sincere and best 73 to you Wynn. Haye, K4YPN is now in Inverness. Hope to see you at Melbourne Hamfest gathering, fellows. Remember it's 3940 Kilohertz at 7 am in the morning — Monday through Saturday, 73, Case W4NGR.

## FLORIDA FAA NET

By George Cooper W4EH

August meeting of the FAA Net started out real good after a complete bust on July 25th. We hoped propagation conditions will improve.

Al Hendrick, WA4TMR Sarasota advises he had a very pleasant visit with an old friend Roy Purdy from the New York operations office.

By the time this goes to press W4JVA, Paul Colby, our fearless leader or better known as our Net Control should have his FTDX 400 And FLDX2000 linear in operation.

K4MY, Ralph came on with his new

ONE OF FLORIDA'S oldest amateurs is Harry W. Dreyer, K4HEN of Key West. Harry holds his OOTC (old old timers club) certificate which is dated 1906. Ye editor paid Harry a visit last month and he says Bob Fenimore W4TY and the late Jim Kellow W4ZJ was from his class of 1906. Stick in there Harry OM! (SKIP Photo)



## TRAFFIC HOUNDS

NET	QNI	Avg. QNI	QTC	Avg. QTC	Sessions
FMTN	780	28.9	\$16	11.7	27
FPTN	484	17.9	179	6.6	27
TPTN	644	23.9	176	6.5	27
GN	290	9.3	101	3.3	31
7265	48	12.0	12	3.2	4
QFN	642	10.6	233	3.3	60
NHN	28	5.3	11	2.1	5

## TOP 20 TRAFFIC TAKERS

1.	WB4AIW	343	11.	K4DAX	64
2.	K4VFF	262	12.	WA4ABY	60
3.	W4FPC	198	13.	8R1y/W4	60
4.	W4SDR	150	14.	WB4HNL	53
5.	WB4GHD	126	15.	W8BZY/4	52
6.	W4NGR	116	16.	WB4FJY	47
7.	WB4OMG	113	17.	W4EHW	45
8.	WB4HJW	103	18.	K6QPH/4	42
9.	WB4PWD	85	19.	W4OGX	41
10.	WB4MIQ	74	20.	W4KGJ	39

## NAVY MARS

Bonnie Wieboldt NOPJQ  
WB4FSF

July seems to be the month for new members. Welcome aboard to Nos. QWE (Orlando), QBR, QDQ, QDP (Melbourne area), QDW (Tampa area) and PLF (Lakeland).

During Hurricane Becky, conscientious members were on watch faithfully throughout the emergency. Instant communication could be effected over the entire 6th Naval District at the click of a relay.

At this writing, Hurricane Celia has caused quite a commotion in Texas, and members are busy with traffic both into and out of the area.

In the South Florida area, section chiefs are appointed to assist the coordinator with his duties. They are Nos: SQB (NE area), UUL (SE area), OPU (SW area) and EXU (NW area).

Traffic throughout Florida has been high, as well as participation. It is great to be a member of an organization that does something rather than wait around for something to happen.

At the monthly meeting in Orlando, certain net operations were discussed. Chief Demuth baffled certain members with his "think" machine. How the thing works is still a mystery. There was a nice crowd aboard, and a good time was had by all.



## AIR FORCE MARS

J. R. Hopkin Jr.  
AFC4BND WB4BND

It is a good time to review our preparations and readiness in case of an emergency or disaster.

When was the last time you ran the auxiliary power unit? Is the extra gasoline supply fresh?

If not, pour it in the family auto and get a fresh batch, because gasoline does deteriorate standing for an extended period. The family bus has 6 or 8 cylinders to gobble it up while most power supplies have one to four at most. The point is, a fouled plug in the old bomb in the driveway will have less effect on the performance than in the smaller power plant. Next, is the antenna you are now using your emergency antenna? If so, what additional preparations must you make to

insure the reliability of its security in a high wind?

When you are confident that your preparations are adequate, see if you have a list of all the AF frequencies that will be used during the emergency that you are capable of monitoring and transmitting on. You might review the duties and responsibilities of a Net Control Station, because these emergencies don't care who the regular NCS is and leave him alone. Confidence in what you are doing is most of the battle in an instance like this and you might be called on to fill in until a regular NCS shows up. Even your Big Shot columnist makes mistakes each week and no one has shot me yet!

News from Area headquarters continues to be absent with no reason from there to expect any in the near future. We still

(Continued on Page 16)

### 'BUY FROM YOUR FELLOW AMATEUR' DEPT.

**FELLOW AMATEUR:** Here are several firms that have an interest in YOUR business! They have seen fit to support the FLORIDA SKIP by giving us a little revenue each month in return for your support. If you have a need for the services listed, you can't possibly do better than to deal with a fellow amateur, can you?

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MIAMI, FLORIDA 33132

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NATURE'S MOST NEARLY PERFECT  
COMPLETE FOOD  
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Producers of Grade A Milk

**WANTED - WANTED - WANTED**  
**WANTED - NEW UNUSED TUBES**  
We have largest stock of unused tubes.  
Will trade or purchase our unused  
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For Complete Planning and Erection  
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I have the goodies - Galaxy GT550  
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Specials on Foreign Tape Recorders,  
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Each  
Tuesday  
9 a.m.  
Weds.  
8 p.m.



### FLORIDORAS

3933 kHz  
ALL YLs  
WELCOME

Pres. W4KOH V.P. W4QBY  
Sec. K4RHL Treas. K4WXS



## SKIP FIELD DAY COMPETITION

Following are submitted Field Day scores for the FLORIDA SKIP competition. Judging by the lack of submitted scores, many clubs perhaps feel that the competition is not worthwhile. At any rate herein are those scores that were submitted by our deadline date, Aug. 10.

Provided that the top scores are verified by the ARRL, you can readily determine which club or group will carry home the two trophies after awards presentations during the Miami Hamboree in January. Thanks and congratulations to those clubs who submitted scores.

### SINGLE TRANSMITTER

	QSO's	Points
W4OZF (non-club)	1048	9832
K4VFF (non-club)	843	8554
K4KE (non-club)	868	5678
W4AKH Ft. Pierce ARC	477	754

### MULTI-TRANSMITTER

W4IZ No. Fla., ARS (Jax)	2333	20086
W4UC Five Flags ARC (Pensa)	1986	12916
WB4LRY (DCARPSC) Miami	1526	10907
K4IA Ft. Myers, ARC	—	5850
K4KQ Dade ARC	—	5752
W4NN Eglin AFB ARC	706	4656
K4NP Brandon ARS	750	4600
W4YKY Lake Co. ARS	—	3282

DO YOU NEED MESSAGE BLANKS?  
WE HAVE FRESH SUPPLY.

ONLY \$1.00 FOR 200 POSTPAID.

—Editor



EGLIN AFB, ARS W4NN 4, racked up 4,656 points in the Annual Field Day. Shown here is their top c.w. operator, K6QPH with WB4NRM on the logs. Have you sent us your FD scores yet? Last call next month. (Photo via W4RKH)

### COMING EVENTS

September 12	Platinum Coast ARC Hamfest, Melbourne
September 19	Auctionfest, Miami
October 10-11	Floridara YL Contest
October 11	HARS Tampa Hamfest
January 23-24, 1971	Miami Hamboree



*Come to First Annual*

# MIAMI AUCTIONFEST

SPONSORED BY THE DADE COUNTY AMATEUR RADIO PUBLIC SERVICE CORPS.

**SATURDAY,**  
**SEPTEMBER 19th, 1970**  
*at Monsignor Pace High School*

15600 Northwest 32nd Avenue

Miami, Florida

DIRECTIONS VIA PALMETTO X-WAY

Going west: exit 27th Ave. to 32nd Ave. Turn South for ten blocks. Going east: exit Biscayne College exit to 32nd Ave. then South.

\$1.00 ADMISSION

5% OF ALL SALES

BIDDING STARTS  
PROMPTLY  
AT 8:30 A.M.



# Florida SKIP DIRECTORY

Each month you will find the following listings. Keep it handy. ARRL Officials are listed free. Florida Nets are listed free upon notification from net manager. Clubs listed for \$12.00 per year. (Free to clubs taking box ads elsewhere). Any individual may be listed for \$5.00 a year. (The ones who really care.) Let's fill up this page!

## ARRL LISTINGS

Director, S.E. Division  
H. DALE STRIETER, W4DQS  
828 Trinidad  
Cocoa Beach, Fla. 32931

Vice Director, S.E. Division  
CHARLES BOLVIN, K4KQ  
2210 S.W. 27th Lane  
Miami, Florida 33133

SCM, E. Fla.  
JOHN F. PORTER, W4KGJ  
P.O. Box 7297  
Miami, Fla. 33155

Asst. SCM E. Fla.  
Albert Hamel, K4SJH  
220 N.E. 25th St.  
Pompano Beach, Fla. 33064

SCM West Florida  
FRANK M. BUTLER, Jr. W4RKH  
323 Elliott Rd., S.E.  
Ft. Walton Beach, Fla. 32548

SEC East Florida  
ANDY CLARK, W4IYT  
41 Lenape Drive  
Miami Springs, Fla. 33166

SEC West Florida  
G.D. McKECHNIE, W4IKB  
1000 N. 6th Street  
Chipley, Florida 32428

Asst. SEC East Florida  
KEN STEWART, W4SMK  
2267 Maple Ave.  
Ft. Myers, Fla. 33901

NET LISTINGS  
QFN (All Florida)  
7:00 p.m., and  
1000 p.m. kc. daily 3651kc.  
Net Mgrs.: K4VFF

FSBA Sundays  
5 p.m. on 3940 kc.

FSBN Wednesday  
7:30 p.m. on 3940 kc.

KNIGHTS OF KILOCYCLE,  
Sundays  
7:00 a.m. on 3910 kc.

STATE QCWA NET  
Noon, Sunday, 7254 KHz

MOONPORT MICROWAVE  
ASSOCIATION NET  
Sundays at 2100 EST  
Frequency 145.5 mhz.  
Net Manager — WB4EHG

GATOR NET (GN)  
Daily 8:30 a.m. on 7115 kc  
Net Manager: W4LA

TROPICAL PHONE TRAFFIC  
NET (TPTN) Daily except Sun.  
5 p.m. on 3940 kc.  
Net Manager: WB4HNL

FLA. AMATEUR SIDEBAND  
TRAFFIC NET  
(FAST) Daily except Sat.  
6 p.m. on 3940 kc.  
Net Manager: W4SFF

WEST FLORIDA PHONE NET  
(WFPN)

6 p.m. on 3957 kc. (2300Z)  
Net Manager W4MQQ

FLA. PHONE TRAFFIC  
NET Mon. thru Sat.,  
7 a.m. on 3940 kc. Net  
Mgr: W4NGR

FLA. MIDDAY TRAFFIC NET  
Daily except Sun. at 12 noon  
On 7254 kc. Net Mgr. W4SDR

NOVICE HURRICANE NET  
(NHN) Sat. & Sun.  
2:30 p.m. on 7165 kc.  
Net Manager: WN4NCH

GOLD COAST EMERGENCY NET  
6 Mtrs. 50.445 mc Mon. 2000 local  
2 Mtrs. 145.23 mc Tues. 2000 local  
WB4CKY, EC Broward Co., Mgr.

FLAMINGO NET  
Friday, 7:30 P.M.  
29.044 AM  
Net Manager: W4GJ

## CLUB LISTING

BROWARD AMATEUR RADIO  
CLUB W4AB  
2nd Wed. of month, 7:30 p.m.  
Broward County Courthouse  
Mailing Address: P.O. Box 9673  
Ft. Lauderdale, Fla. 33316 More info. call  
523-1517, 584-1277

LAKE AMATEUR RADIO ASSN.,  
INC. W4YKY  
Meets each Thurs., 8 p.m. EST  
Clubhouse, Springdale Ave.,  
Bassville Pk., between Leesburg  
and Tavares, Florida  
Mail to Sec., 1270 Sheridan Rd.,  
Mount Dora, Fla. 32757  
Phone: 383-4548

HILLSBOROUGH AMATEUR  
RADIO SOCIETY, INC. W4GJJ  
Meets 4th Tuesday, 7:30 P.M.  
Odd Fellows Temple  
6220 Nebraska Ave., Tampa, Fla.  
Mail to: 12915 Veronica Ave.  
(33612) Visitors always welcome

DADE RADIO CLUB, INC.  
(W4NVU) 1st & 3rd Tuesday,  
Museum of Science 8 p.m.  
3280 So. Miami Avenue  
Miami, Florida  
Mailing address: P.O. Box 73  
Biscayne Annex  
Miami, Florida 33152

NORTH FLORIDA AMATEUR  
RADIO SOCIETY W4IZ  
2nd Thursday, 7:30 P.M.  
Duval CD Headquarters  
107 Market Street  
Jacksonville, Fla. 32202

ST. PETERSBURG AMATEUR  
RADIO CLUB, Inc. W4GAC  
Meetings: 1st Friday  
Azalea Community Center  
1400 — 72nd St., No.  
Mailing Address: P.O. Box 4026  
For information phone:  
345-0464 or 826-4294

ORLANDO AMATEUR RADIO  
CLUB, INC.  
3rd Wed., 8:00 p.m.  
First Federal Savings & Loan  
on Edgewater Drive, Mailing  
Address: Box 13267,  
Orlando, Fla. 32809  
2 Meter Net — 145.350 kHz  
Mon. thru Thur. 7 p.m.  
More info: call 644-9896

FLORIDORA YLs (W4FE)  
All licensed Florida YLs invited to join.  
Mailing Address:  
W4KOH — Ernie McMasters  
Rt. 1, Box 501  
Lake Placid, Fla. 33852  
1400Z on 3933 Tues. and  
Wed. 8 p.m.

GAINESVILLE AMATEUR RA-  
DIO society, K4DPZ 1st Tues.  
8:00 p.m., Alachua CD Head-  
quarters Basement, County  
Court House, Mailing Ad-  
dress: 1421 SW 13th Ave.,  
Gainesville, Fla. 32601

TAMPA AMATEUR RADIO  
CLUB, INC. W4DUG  
Meetings: 1st & 3rd Mondays  
7:30 p.m.  
Club House: Davis Islands,  
Columbia & Barbados  
Mailing Address: 943 Cimmeron Ave.,  
Tampa, Fla. 33603

SARASOTA AMATEUR RADIO  
ASSN. INC.  
meets 3rd Tuesday of each month 8 p.m.  
At Sarasota Federal (S. Gate Branch)  
Club Call W4E in memory of Charlie  
Service

DAYTONA BEACH AMATEUR RADIO  
ASSOC. K4BY  
Meets 3rd Mon. each month  
American Red Cross Bldg.  
800 Volusia Ave.  
Mail: P.O. Box 1606  
Daytona Beach, Fla. 32015

GULFSTREAM SOCIETY OF AMATEUR  
RADIO OPERATORS, INC. — WB4FPB  
Meets 2nd, 3rd & 4th Fridays  
7:30 p.m. Room 23, Civic Auditorium  
Mailing Address: P.O. Box 461  
Lake Worth, Fla. 33460  
Phone: 582-3879

Hollywood Amateur Radio Club,  
3rd Monday of month at 8 p.m.  
Science Lab, Chaminade High School,  
51st Ave. and Johnson St., Hollywood  
Mailing Address: P.O. Box 6306,  
Hollywood, FL 33021  
Visitors always welcome.

## PERSONAL LISTING

Sandy Donahue, W4ABY  
P.O. Box 1602, Hialeah, Fla. 33011 "Get  
someone to subscribe to SKIP."

— DEADLINE —  
DON'T FORGET THE  
10th IS OUR DEADLINE  
FOR ALL ADS. COPY,  
HAMBARS

WEST PALM BEACH AMATEUR  
RADIO CLUB, INC.  
P.O. Box 6834  
Southboro Station  
West Palm Beach, Florida 33405  
Meetings: First Wednesday of each month  
— 7:30 P.M.  
823 Newark Street  
West Palm Beach, Florida 33401  
Information: Call 833-0775; 582-2337.

## QRPP — A NEW HOBBY

Although QRP has been an area of Ham Activity for many years . . . (too many of us remember when it was not an area by choice, but of monetary necessity) . . . QRPP is a new variation. For those to whom it is a new Q signal, it stands for "under 5 watts, power input".

Today a growing number of hams are finding new thrills in designing, building, and operating the new breed of QRPP transmitters. The yardstick — miles per watt! It appears that L. G. Windom (8GZ) set the record back in 1925-26, with a score of 17,820 miles per watt. Yep, you read it right, SEVENTEEN THOUSAND, EIGHT HUNDRED TWENTY MILES PER WATT! He used 3/10 THS of a watt input to a type 199 tube operating in a variation of a Hartley Circuit, feeding a carefully cut single wire antenna and worked all US Districts, Brasil, Australia, and New Zealand. The record apparently still stands, although today's QRPP operators are pushing it. (Windom worked on 40 meters!)

At least one commercial manufacturer (Ten-Tec) offers a QRP Transceiver, while the home brew gang has a ball with their many circuit variations with emphasis on the solid state devices. There are two bulletins that carry QRPP articles: THE MILLIWATT, care of Adrian Weiss K8 EEH O, Univ. of South Dakota, Meckling, S. D. 57044 and RANDOM RADIATION, the official publication of the Pacific Coast Radio Guild, care of Howard S. Pyle (W7OE), Gen. Mgr., Box 784, Mercer Island, Wash. 98040.

A whole new world of activity and interest is opened in QRPP with WAS QRPP a matter of real interest to many . . . who will be the first!

de WA4NED



## IMRA NEEDS HELP

The IMRA needs help monitoring the first 25 minutes of the following hours. Can you help??? 1600 — 1700 — 2100 — 2200 — 2300 — 0000 — 0200 — 0300 GMT. If you can help of it you could like more information about the IMRA and its Monitor System, write to:

Sister Mary Emmanuel  
— WA5VBM  
1501 Lotus Lane  
Lufkin, Texas 75901

The IMRA is the INTERNATIONAL MISSION RADIO ASSOCIATION. It is a group of amateur radio operators and associates dedicated to providing communications for Missionaries, Peace Corps workers, and anyone needing communication with the Mission field. It is a non-denominational organization with a membership of more than 200 men and women from all walks of life. Anyone who can help is welcome to join the group.

There are two IMRA NETS (Roll Calls) daily, Monday through Friday, from 1900 to 2000 GMT and from 0100 to 0200 GMT, on 14280 Khz, plus or minus QRM. These Nets serve as traffic exchanges for the Mission field and as a meeting

## TRUE TOWER TALE

By Rick Rutan, K4BNE

Seems like I was born looking for a tower in my price range. Too expensive. Too far away. No cash on hand when a real bargain appeared.

Ten years I waited. And waited. And waited.

Two months ago a good buddy called. "Hey, Rick, I've got a 40-footer you can have if you'll come get it. Old, but in fine shape. Crank-down, tilt over, with a long mast on top."

Being partially disabled (more lazy than hurt), and working weird hours, it took me two weeks to gather up four strong pals and a 20-foot boat trailer. But we hauled that monster clear across town and

place for members and monitors needing assistance in reaching the Missions. All interested in the Missions are welcome to participate in these Nets.

The IMRA monitors the frequency of 14280 (plus 5 and minus 5) Khz, the first 15 minutes of each hour Monday through Friday, from 1600 GMT to 0315 GMT. A monitor station can be contacted by calling CQ IMRA, on or near 14280 Khz.

onto the island where I live. Put it on the ground in empty lot next door.

Another month passed. Finally dug a hole to pour concrete base. Ran into a water pipe. Moved the hole three feet north and dug again. Free-standing tower construction in pure sand. Need a cubic yard of ready-mix. Nice dry digging weather, though. No rain for two months.

Finished the hole, forms and plastic lining Saturday. Rained like hell Sunday. Hole filled up with muddy sand. Concrete delivery due 1300 Monday. Dug it again Monday A.M.

Concrete truck (big one) rolled up right on schedule. Driver looked at excavation, commented how easy it would be to back up the driveway and chute the concrete down the hole.

Went inside to get a check out of the checkbook. Went back out to watch the pour job and set the bolts in place. Sorry I went out.

Concrete truck sure makes a mess when it backs over an antenna tower, doesn't it?

## LICENSE COURSE RESUMES

The popular commercial phone and amateur extra class license course conducted by Al Wilcox, W4ELR, resumes Sept. 9, 1970, at Southwest Miami High School.

This evening adult class offers concentrated, fast moving review of all the things you will need for the FCC exams. 180 hours of instruction and practice tests for a registration and materials fee of \$5.00 is a bargain in any man's language. The textbook is extra. Tell your friends about it.

The Palmetto Expressway gives easy access from anywhere in Dade County.



### TRAFFIC MEN!

NOW HEAR THIS...

We have

a new supply of

HIGH QUALITY PAPER

### MESSAGE BLANKS

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100 Blanks to Pad

Pkd. & Shpd. Postpaid

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NEW PRIORITY 502

FLORIDA SKIP

THE ALL FLORIDA RADIO

AMATEUR'S PUBLICATION



# HAMATEUR HDQTRS.

NEW / USED / ABUSED / MISUSED / RECONDITIONED  
ALL USED EQUIPMENT SOLD WITH A GEORGIA GUARANTEE

IF IT BREAKS IN HALF / YOU OWN BOTH PIECES

**BUY / SELL / TRADE FOR ANYTHING THAT DON'T EAT!!!**

IF WE AIN'T GOT IT — WE'LL GET IT!!!

HEATH SB-100 WITH HP-23A · HP-13 · MIC · SPKR · MOBILE BRACKET — HUSTLER 80-40-20-15-10 COILS BUMPER MOUNT  
HY GAIN TRI-BAND QUAD

\$479.00

HEATH HW-32 ... \$75. HP-23A ... \$39. SBE-33 ... \$199. HX-50 ... \$199. HQ-170C ... \$199. HQ-180A ... \$299.  
LAFF. HE-50A ... \$119. HEATH CHEYENNE ... \$20. AMECO R-5A ... \$75. COLLINS R-390 w/ CU-157 S.B. CONV. ... \$995.  
... HEATH SENECA ... \$99. RME-4350 ... \$89. CE-20A ... \$79. EICO-720 \$59. HALL. SR-46A ... \$119. LAFF. HE-45A \$75.  
RCA CARFONE LOW BAND (2) ... \$60 Ea.



Bankamericard & Mastercharge,  
and we take cash, too!!!

Trader Sam WB4HXQ

## R & R ALEXANDER ELECTRONICS

8131 U.S. Highway 19 North

Pinellas Park, Florida 33565

527-7683 Res.: 544-6108

# HAMBAR

HAMBAR services of radio equipment ONLY will be available to all our subscribers, amateurs or non-amateur, at a rate of 25 cents or more for five (5) lines and 5 cents a word thereafter. There are approximately seven words to a line. Rerun ads must be resubmitted each month. NO dollar for 4 runs, etc.

Non-subscribers rate is \$1.00 for 5 lines and 5 cents each additional word.

To Commercial Business: Classified, undisplayed — 50 cents per line; Illustrative or General Display with border — \$3.50 min., \$60 page; Initial cost of cuts, additional. Cuts furnished, no charge. Deadline 10th of month.

An Advertising inch is measured 1/4" vertically on one column, i.e., 4 columns — 40 column inches to a page. Rate card by column inch supplied upon request. FLORIDA SKIP, Advertising Department, P.O. Box 501, Miami Springs, Fla.

**SELL:** Galaxy GT-550, AC-400, SC-550. VX-25C, calibrator, manuals, original cartons, used very little, \$425.00. Simpson 260 late model like new with manual \$25.00. Wanted: 35MM camera SLR or RF and will deduct camera value from any prices above or add cash. R. Pohorence, WB4RSK, 11046 N.W. 5th Lane, Miami, FL 33126.

**NOTICE:** WB4HKP will be transmitting official bulletins and information of interest to Florida Amateurs Monday through Friday at 1050Z (6:50 a.m.) on 3940 kHz and at 1200Z (8:00 a.m.) on 3651 and 7115 kHz simultaneously. This schedule will be effective through Sept. 14 at which time a new schedule will be announced.

**FOR SALE:** TR-4, AC4, RV3, FF1 \$550.00. Fine condition. MP-10 \$200.00. Dick Raustad, W4FBS, 1831 N.W. 7th St., Miami, FL 33125. Ph. 305-642-4176.

**FOR SALE:** Collins 75A4 with two mech. filters, \$325.00. Gonset SSB-AM-CW GSB-100, \$100.00. Ron Gamel, K4JXL, 6634 Raleigh, Hollywood, FL. Ph. 987-6541 night, 961-4706.

**FOR SALE:** SX-101-A \$155.00. HT-44 and power supply 150-120 a.c. and speaker, \$210.00. Package deal \$350.00. Mosley beam MP-33 tri-band \$75.00. Geo. Cooke, W4LEP, 546 - 19th Pl., Vero Beach, FL., 32960. Ph. 507-5636.

**FOR SALE:** Collins 231-D 5 KW phone, c.w. or RTTY transmitter. Built for commercial continuous service. Write for details. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166. Ph. 888-3874.

**FOR SALE:** 1 Year old SWAN CYnet model 260, mint condition, used very little, \$385.00. Hy-Gain tribander model 152TG-3 \$40.00. 40 foot crank up tower \$40.00. DX-60, \$20.00. SX-140 \$30.00. VF-1 \$10.00. 150 foot RGR U \$20.00. Jim Bilancio WA4RXS, 6524 Eastview Dr., Lantana, Fla. 33460. Phone 9674532.

**TRANSFORMERS** rewound, Jess Price, W4CLJ, 411 Gunby Ave., Orlando, Fla. 32801. Phone (305) 425-7251.

**FOR SALE:** DUO-Bander 84 with ac and dc supply and mobile antenna \$225.00. Like new. Nelson D. Lawhorn WB4OMF, 2306 Gresham Dr., Orlando, Fla.

**WANTED:** QCWA members attend QCWA - Citrus Chapter, luncheon-meeting at the Trade Winds, Melbourne Hamfest. Check for exact at Hamfest. K4LV.

**FOR SALE:** Simpson 250-S VOM, Brand new, never out of carton. \$49. RCA 7EVTVM, Good cond., \$17. Ed Enos, K4DRH, 2344 Tallahassee Dr., West Palm Beach, Fla. 683-8077.

**FOR SALE:** HA - 350 Ham Band Receiver. Dual conversion in excellent condition. Only \$75.00. John Atkins, WB4KQR, 17110 N.W. 14 Avenue, Miami. Phone 305-624-8990.

**FOR SALE:** 4 year old 25" GE Color TV less cabinet, auto degauss, perfect for built-in (all converg. controls on front) CRT has to emls. \$35.00. About 200 Sams folders (from early 2 digit to some 4 digit series), misc. transmitter tubes 304TL, 4-125, 866, 100TH etc., ARC 7 to 9.1 Mhz transmitter w ACPS. \$15.00. Mallory UHF TV converter \$8.00. Transducer for Pearce Simpson depth sounder (new) \$19.00, miscellaneous oldie (30s thru 50s receiving tubes. Garrard RC-98 w base, cover, 3 plug-in heads w GE VR11 and VR22 cartridges, \$40.00. George Davidson, K4ENW, 1750 Wild Acres Road, Largo, FL 33540.

**WANTED:** YOU to attend TAMPA HAMFEST, Sunday, October 11, 1970. See ad elsewhere.

**FOR SALE:** Heath HW-100 80-10 meter SSB cw transceiver \$200.00. Turner plus 2 mike \$20.00 Vibroplex bug \$15.00. Want HW-32 or HW-32A transceiver. John Munro, WB4BAF, 3905 Bayview Ave., Tampa, FL 33611 Phone 813-833-1554.

**FOR SALE:** Two 2 meter FM base stations, RCA, 60 watt output, 3 frequency capability, telephone remote control chassis, digital clock, one complete, one less power supply. Both \$125.00 Charles Durst WA4WTX, 207 Terry St., Indian Harbor Beach, Fla. 32935. Phone day 727-6151 night 305-773-0322.

**NOTICE:** Please do not send us a HAMBAR and ask us to bill you for twenty five cents. Some people do this you know!

**FOR SALE:** SWAN Mark II 6B linear (3-500Z tubes) used less than 3 hours. Works perfect, spotless, guaranteed. \$500.00. SEE-34, excellent cond., mike (SEE), Hustler bumper mount-spring, 40-20 resonators, HB hump mount, manual, cables, all \$250.00. On 40 meters now. Robert Locke WB4LUE, 1077 - 106th Terr. No. Largo, Fla. Phone 392-2405.

**FOR SALE:** Heath DX-60A, 10-80 meter cw phone, VF-1, VFO, mike. Hallicrafter receiver SX-140, 6 thru 80 meters. Excellent condition \$150.00. Dick Keller WB4GEH 4401 - 7th Ave., N., St. Petersburg, FL 33712. Phone 896-4467.

**FOR SALE:** SB-100 with new a.c. supply \$350.00. HQ-170 with 2 meter converter \$170.00. National d.c. power supply NCXD \$60.00. Harry E. Cudney, K4CAA, 1541 N.E. 11 St., Homestead, Fla. 33030 Phone 248-1712.

**FOR SALE:** 2 meter FM GE prog line 60 watts Twp. 2 freqs. with xtals \$200.00 6 meter GE prog line same \$175.00. SB-630 \$75.00 SB-600 \$15.00. Sixer \$35.00 RCA VTVM \$15.00. Transistor stereo amp, 15 watt \$30.00. 2-813 KW homebrew rig with power supply, rack mount, 4-400 linear amp home brew, offer must sell, moving. Charles H. Emely W3JNW, 4042 "O" St., Phila., Pa. Phone 215-535-0448.

**WANTED:** Dozen 6" spacers for open wire antenna. DESPERATE! Write or call Frank N. Haas, WB4HKP, 536 West 47th St., Miami, Beach, FL., 33140. Ph. 305-532-5753. after 7 p.m.

**FOR SALE:** Eico 753 transceiver with homebrew heavy-duty power supply and manuals, good condition, \$90.00. Polycomm-2 two meter transceiver with AC-DC and cables and mike. Excellent condition. No manuals \$100.00. Lafayette VFO HA-90 never used, 10 through 80 meters, \$30.00. Kevin Bunin, WB4HML, 1750 N. 17th Ct., Apt. 108, Hollywood, FL., 33020. Ph. 927-6870.

**FOR SALE:** Brand new Swan 500 transceiver and 117XC A-C power supply. Hallicrafter HA-1 Electronic keyer and paddle. Hy-Gain 14 AVS vertical. Heathkit HM-11 SWR bridge. 2 dipoles and 150 ft. RGRU and d all interconnecting cables, mike, headphones, and instruction books. The works: \$550.00. David L. Bedford, WA4LVQ, 2575 hinda Rd., Lake Park, FL 33403.

**FOR SALE:** New Ham-M, factory sealed, cable \$90.00. 6-meter transmitter, complete \$65.00. Collins filter assembly net 275 MFD 1800V, \$15.00. Linear parts, misc., Alan Small, WB4MPN, 1564 S.E. 5th St., Deerfield Beach, FL. 33441.

**SALE OR TRADE:** Hallicrafter SX62A with manual and speaker, general coverage receiver, \$150.00. Need Drake 4 series, tower, quad, keyer, rotor, etc. Cliff Decker, 1705 S.W. 5th Ct., Ft. Lauderdale, FL., 33312. Ph. 524-3408.

**FOR SALE:** Heath GR-88 Aircraft Monitor, Still in original sealed carton and thus unassembled. With AC supply, \$35.00. Will pay freight out of Dade County. See latest Heath catalog for specs then buy from me. Sandy Donahue, WA4ABY, P.O. Box 1602, Hialeah, FL. 33011.

**FOR SALE:** CLARE HG-1002 mercury wetted contact relay. Perfect for electronic keyers, \$2.00 each. Simpson hi-sen relay, model 800C, 10 us 7000 ohms, plug-in type, \$2.00. Heathkit type checker model TC-2, \$12.00. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166. Ph. 888-3874.

**FOR SALE:** HiFi enclosure, beautiful 22 x 12 x 12, \$15.00. Gonset Super Six Converter \$12.00. Navy RBU-1 3" tube Panadaptor, 110 vac with manual, \$15.00. Many ARC-5 transmitters for 80-40 unconverted \$7.00 each. Loads of other parts, meters, etc. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL. 33166. Ph. 888-3874.

**EXPERT REPAIR:** tuneup or calibration on all amateur equipment or kits. Have professional test equipment. Digital Voltmeter, Tektronix Scope, etc. All work guaranteed. Contact Robert Pohorence, K2RDM-4, 11046 N.W. 6th Lane, Miami, FL. 33126. Ph. 226-5687.

**FOR SALE:** 60 ft. heavy duty galvanized self-supporting Tower. Never used. Hardware sealed in factory carton. Rotor head section at top this tower is custom made and extremely rugged. Ideal for commercial or amateur use. \$485.00 or best offer. Also need Sixer. Will trade Globe Scout or Oscilloscope for same. Jim Lauritsen, K4FQP, 3204 West Debaran Ave., St. Petersburg, FL., 33706.

**FOR SALE:** G56 Gonset Transceiver for 6 meters with mike, perfect condition. 8L Hy-Gain Beam \$140.00 for all. Tom Jones, WHDD, 200 Hampden Rd., Winter Haven, FL. 33880.

**WANTED:** Two tube sockets for Eimac 304TL, E.F. Johnson type 124-213-1 or equivalent. Roy L. Simonds, W4RLR, 427 Lucile Way, Orlando, FL. 32811.

**FOR SALE:** 2 meter FM crystals for use in Motorola. 1 each receiver and transmitter 145.51 mhz, 3 each 147.25 mhz. 6 meter AM crystals (1) 8350 for 50.1, (2) 8400 for 50.4, (1) 8417 for 50.5, (1) 8450 for 50.7, (1) 8500 for 51.0, (2) 8950 for 53.7 mhz. 75c each. James Aspey, W4ZHG, 12 Nahkoda Dr., Miami Springs, FL., 33166. Ph. 305-887-7719.

**FOR SALE:** High power VHF Transmitters. Electra Voice type TUL looks like capable of one or two kilowatts input. Just right for moon bounce or FM work. Has modulation transformer for A.M. 220 V.A.C. single phase power required. Unit weighs more than one ton, \$1500.00. Lots of other VHF gear AM and FM. Ivan Smith, W4PLO, 1314 Crestview Ave., Holly Hill, FL., 32017. Ph. 253-2340. Also want Ameco CN-50 converter.

**FOR SALE:** Hy-Gain 14AVQ vertical 10 through 40 meters with ground plane and house mounting bracket. \$15.00 or trade want: Drake TR3 and AC supply in trade for custom hi-fi stereo system which cost \$750.00. W. Guy Watson, K4APE, 2550 N.E. 30th Terrace, N. Miami Beach, FL. Ph. 945-8487.

**FOR SALE:** Heathkit Marauder transmitter HX-10 \$160.00. Also matching Mohawk receiver \$125.00. H. Alan Harp, WA4SVH, 718 Magnolia Dr., Lake Park, FL. 33403. Ph. 305-848-4017.

**FOR SALE:** Harvey Wells T-90 transmitter with power pack, \$30.00. National 190 receiver \$135.00. RTTY "TU" \$20.00. Bill Ross, K4RDG, 705 Bonnie Dr., Lakeland, FL., 33803.

**WANTED:** 1 KW Low Pass Filter. Urgently needed. Johnson or similar. Write details. Mike Graham, WB4OUD, 212 Stadium Trailer Pk., Key West, FL., 33040. Ph. 296-5639.

**FOR SALE:** Globe Scout deluxe transmitter 90 cw 75 AM with matching VFO which covers 160 through 6 meters. Transmitter covers 80 through 6 meter, VFO in perfect condition. Both for \$50.00. Local only. James Gillespie, K4IYN, 1297 - 54th St., N., St. Petersburg, FL. 33710. Ph. 345-5649.

**FOR SALE:** Mini-Vertical Antenna 6, 10, 15, 20 meter bands. Replaced it with Quad. Cost \$35.00, asking half. Includes mast and clamps. Gene Stultz, WB4MHE, 19000 N.W. 11th Ct., Miami, FL. Ph. 621-1523.

## ARNS—WHAT IS IT?

The Amateur Radio News Service has the prime purpose of aiding and assisting amateur radio newspaper editors in any manner possible to improve the publication of the amateur Journal of newsletter. Additionally The Amateur Radio News Service provides a common central point for cooperation of public relations individuals concerned with amateur radio. In other words, ARNS is dedicated to a better understanding of amateur radio through more effective public relations and club publications.

Dues are only \$3.00 a year. Write Al Marcy, W4ID, Secretary, 461 - 3rd Ave., Seapark, Eau Gallie, Fla. 32937 for more details and applications.



## MINIATURE 2 METER 10 WATT FINAL

Jay Bronson, W4VTJ

The Orlando Hamfest afforded me the opportunity to view two amazing new lines of VHF equipment, available at prices in line with what the ham can afford.

The lines being referred to are Dynamic Communications, Inc. and Spectrum International, and of the two, a most amazing bargain was that of Dynamic Communications, Inc. Their new 101-500 is the hottest item appearing in quite some time.

This solid state "printed circuit" final puts out a clean 10 watts on 2 meters. Only 10-20 mw of drive is required for full output.

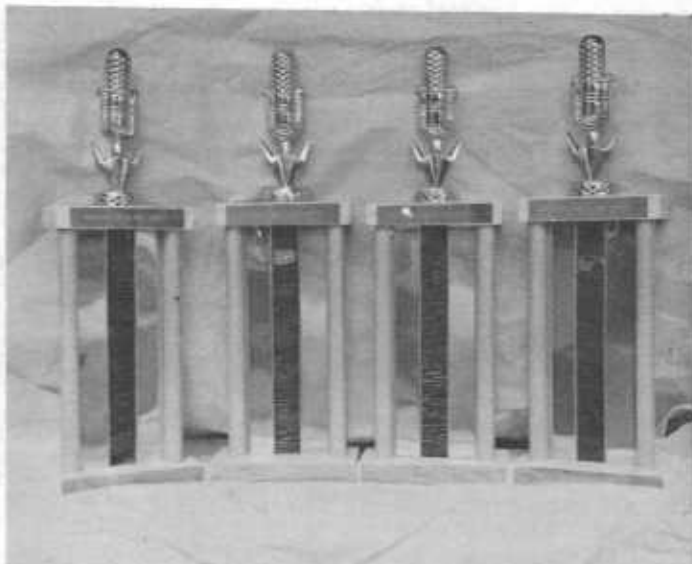
The unit operates on 12 volts and outputs when the drive is applied, making it an ideal booster for 2 meter FM walkie talkies. The unit is broadband, requires no tuning for operation anywhere in the 2 meter band and comes pre-tuned. The unit measures 2"x2"x6", including the heat sink enclosure. The unit will operate on 6 volts and put out 5 watts.

## QUORUM PRESENT

How many times has there been difficulty in transacting club business because of lack of a quorum. The Gulfstream Society of Amateur Radio Operators of Lake Worth seemed to have solved the problem and, at the same time, recognize others who are in the Ham World.

President Richard Kidder, WB4AKH, through the Board of Trustees, has issued HONORARY ASSOCIATE letters to several members who have left the area because of job assignment but desire to maintain identity with the Society. This status is not a membership, though the Honorary Associate may visit anytime he is around, he does not pay dues and cannot vote. If he should return to the area it will be possible for him to automatically return to full membership by resuming dues payment at that time. The other section of this arrangement makes it possible to honor Hams who, for very good reasons, can not maintain an active membership. This particular section was proposed to respect those Hams who have a physical disability, and who could not possibly be active in any other way.

Now we have our quorum present. 73 WB4AID



WE THOUGHT YOU might like to see the 4 Florida QSO Party trophies awarded to L to R: WA1JHQ, WB4PWX, WB4INC and K4GRD. The one for WA1JHQ was mailed last month. The other three will officially be awarded at the Miami Hamboree in January next year. (SKIP Photo.)

## FLORIDORAS MEET AGAIN

The Orlando Hamfest is the highlight of the year for the Floridoras, as it is where they organized in 1957, so have their annual meeting there.

Saturday, May 23rd, 24 enjoyed a Floridora luncheon at the Hilton Inn Dining Room. There was a Floridora Booth set up in the Dresden Room, where the girls could meet, sign the guest log, look at the scrap book and album and just gab-fest. For those who arrived late for the luncheon, it was a place to hear about it and find out how many were around. Saturday night, many were seen at the dancing "cutting the rug" with their OMs.

Sunday, the annual meeting was held at 9 AM, with coffee and cookies available. Many items of business were discussed and decisions made. K4UIZ, Ev presented each girl with a beaded bracelet, to which a key ring was attached, with choice of color each preferred. As usual, this lovely surprise was made by Ev (in her spare time???) and we marvel at her clever ideas and time and effort to make our meetings so unforgettable. Thank you, Ev! She also distributed 5 1/2 x 8 1/2 note pads, with the Floridora Girl emblem and Net info printed in the upper right hand corner. These were compliments of Florida Skip who will supply them to individuals at a very

low cost. The door prize, a handy barometer, was won by K4LFA, Dorothy, who was delighted, as said it would come in very handy, as she does considerable flying.

The election of officers resulted in: President, W4KOH, Ernie McMasters; Vice Pres., W4QBY, Dorothea Seaver; Secretary, K4RHL, Ellie Hornor; Treasurer, K4WXS, Lee Kanarian. Appointed were: K4HSC, Meg Hennon, Net Manager; K4UIZ, Ev Shea, Historian; W4CWV, Annette Thompson, Membership Chairman; K4RNS, Marge Campbell, Certificate Custodian and W4BAV, Cathy Soehl, Publicity Chairman. W4BIL, Fran Foley (1st President of Floridoras) installed the new officers and made the presentation of the usual gavel pin (to be attached to the Floridora pin) to W4CWV, Annette, outgoing President. W4KOH, Ernie expresses her appreciation for the honor of being elected President after 10 years of absence from the State, due to her husband's business transfers. Ernie is a charter member of Floridoras. She appointed her Committee Chairmen and asks cooperation on any of their calls for assistance. So begins another year for the Floridora YLs.

W4BAV

## HAM CAMPOREE REPORT

The BARS Ham Camporee at Florida Camplands, June 12-14, was a great success. Twenty-two camping units made the scene, and several groups came for the Saturday evening picnic. In all, over 100 people were present.

Swimming, yakking, hamming, singing, and story telling, antenna demonstrations, and transmitter hunting were enjoyed by the hams and their families.

At the Saturday evening campfire, Case W4NGR led the singing of some ham songs prepared by WA4YNX Alma. Later, a Sideband Manual was awarded to W4SQE and W4OBT, A. C. and Lillian Poteete, of Nashville, Tenn., for coming the farthest. Mike and Peggy Hagans WA4AGI & WB4EVS won the free weekend at Florida Camplands, Don Wilson WB4NDG won an operating manual, & Earl Rhoden WN4NDV and Walt Terrie WA4FBI won logs in the drawings.

The hidden transmitter hunt was called off near midnight by the sheriff's department. It seems that many of the "natives" were alarmed by the number of cars driving back roads near their homes. By mutual agreement, the Xmt hunt winter was chosen by a drawing of those participating; W4YSO Nat Atwood won a 1970 Radio Amateur's Handbook.

73 — WA4YNW  
(From Slant Bars)

## AIR FORCE MARS

(Continued from Page 11)

have no permanent frequency. With the propagation the way it is on the present borrowed frequency, it will be a relief to get our own so we can operate later in the evening when it is better. The relaying of traffic within the region should be unusual rather than necessary almost half the time. With the continued deterioration of the frequency due to the wane of the last sunspot cycle we can expect no improvement for several years. Several frequencies have been monitored intensively and by several stations in different locations and recommendations made. We all hope these recommendations are carefully appraised and acted upon soon.